

I CLAIM:

1. A shower head comprising
  - a dispensing plate provided with at least one hole for dispensing water,
  - a closing plate, in fluid connection with a water outlet, wherein said plates are directly facing each other relative to an axial direction and the shower head comprises a seal directly arranged and pinched in compression between said dispensing and closing plates, so as to sealingly delimit with the plates a collecting chamber in order to dispense the fluid through the holes of the dispensing plate.
2. A shower head according to claim 1, wherein the shower head comprises a closing ring arranged between said dispensing and distribution plates, the closing ring being arranged coaxially to said seal, and having an axial thickness smaller than the axial thickness of the seal when at rest.
3. A shower head according to claim 2, wherein said closing ring is substantially counter-shaped relative to the seal so that in a deformed configuration, following the axial compression exerted by the plates, the seal expands radially arranging in contact with an internal wall of the closing ring, which faces towards the collecting chamber.
4. A shower head according to claim 1, wherein said dispensing and distribution plates, in an assembly configuration, determine a collecting chamber having a decreasing axial thickness between a central portion and a peripheral portion relative to a radial direction.
5. A shower head according to claim 4, wherein the closing ring is substantially stiff in the axial direction so as to form an end of stroke in the approach between the plates during the assembly step of the shower head and so as to ensure a minimum thickness of the collecting chamber for the water flow towards the dispensing holes.
6. A shower head according to claim 1, comprising nozzles suitable for being partly inserted in the holes of the dispensing plate.
7. A shower head according to claim 6, wherein said nozzles comprise a dispensing portion projecting from the dispensing plate and a stopping portion suitable for forming a stop in the introduction of the nozzles into the relevant holes.
8. A shower head according to claim 7, wherein an axial thickness of said stopping portion

is smaller than the thickness of said closing ring.

9. A shower head according to claim 1, wherein said seal is made integral with a membrane provided with said nozzles.

10. A shower head according to claim 9, wherein the axial thickness of the membrane is smaller than the axial thickness of the seal integral with membrane, so that in the operation for closing plates, seal is subject to compression by the same.

11. A shower head according to claim 9 or 10, wherein the seal is made integral with the membrane provided with nozzles and, coaxially to the seal, a closing ring is mounted.

12. A shower head according to claim 11, wherein the axial thickness of the membrane is smaller than the axial thickness of the closing ring and of the seal, so that in the operation for closing the plates, the seal is subject to compression by the same.

13. A shower head according to claim 1, wherein said seal is made of a silicone rubber.

14. A shower head according to claim 1, wherein said dispensing and distribution plates are axially constrained to each other in compression by screw connecting means.

15. A shower head according to claim 14, wherein said screw connecting means comprise a screw passing through connecting holes obtained on the plates, and provided with a head in abutment on one of said plates, said screw being locked on an end opposite the head, on the side of the other plate by a nut.

16. A shower head according to claim 14, wherein said screw connecting means are arranged on a peripheral portion of said plates radially external to the collecting chamber.

17. A shower head according to claim 14, wherein said screw connecting means pass through fixing holes of said closing ring so as to lock said closing ring into position relative to the plates.

18. A shower head according to claim 1, wherein said dispensing and distribution plates, at faces directly facing each another, are substantially plane.

19. A shower head according to claim 1, wherein said dispensing and distribution plates, at faces directly facing each another, are concave or convex.